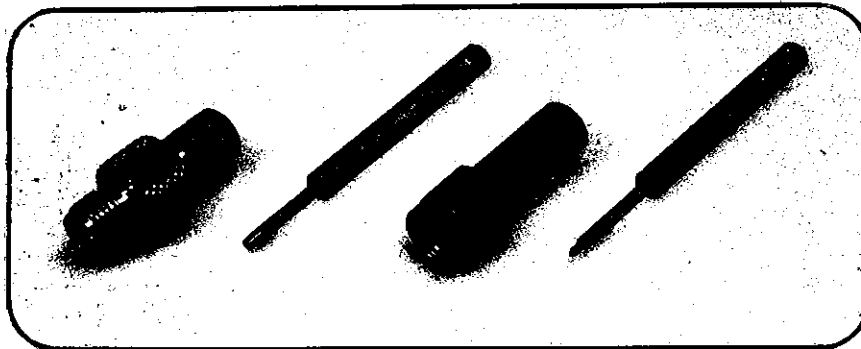




# OPEN - CIRCUIT TERMINATIONS 3.5mm (APC3.5) CONNECTORS

8048  
SERIES

12 JUNE 1986



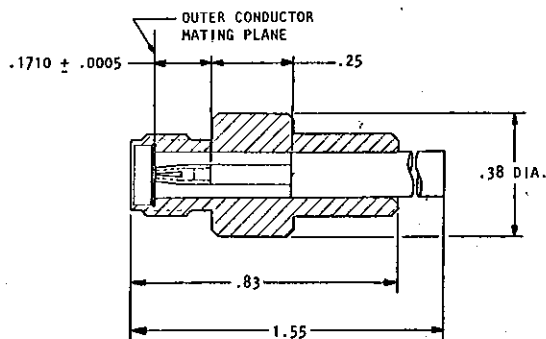
## DESCRIPTION

The Maury Microwave Models 8048A and 8048B are female and male 3.5mm open-circuit terminations. These precision terminations present a well shielded open-circuit  $0.1710 \pm .0005$  in. from the mating plane of the connectors. Both models are 100% electrically tested using the HP8510 Vector Automatic Network Analyzer (VANA). Additional center conductors are available as replacement parts. These are Models 8048C1 (Female) and 8048C2 (Male).

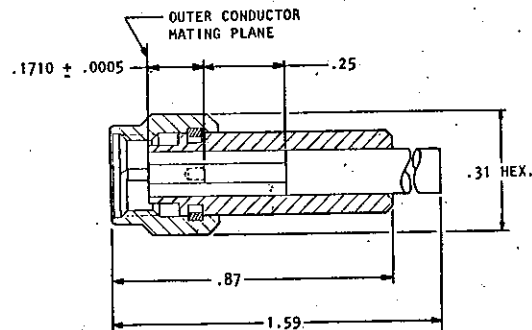
## SPECIFICATIONS

Frequency Range . . . . . DC to 26.5 GHz  
Offset Length . . . . .  $0.1710 \pm .0005$  in.  
Capacitance Factors . . . . . (See Chart)

## DIMENSIONS



Model 8048A



Model 8048B

| MODEL NO. | DESCRIPTION                                           |
|-----------|-------------------------------------------------------|
| 8048A     | Open, Female                                          |
| 8048B     | Open, Male                                            |
| 8048C1    | Replacement Center Conductor Assembly for Model 8048A |
| 8048C2    | Replacement Center Conductor Assembly for Model 8048B |

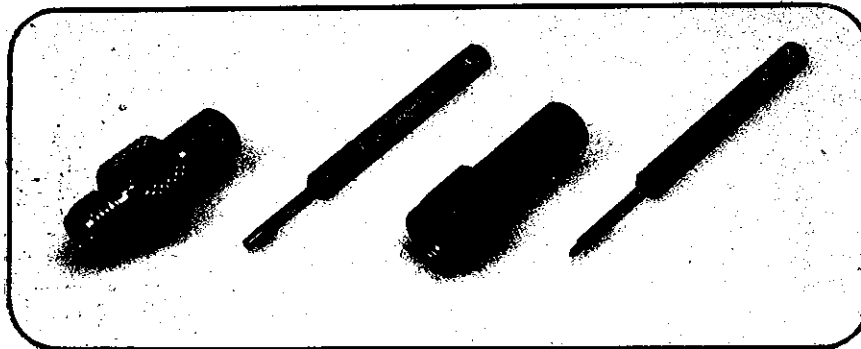
| CAPACITANCE FACTORS - HP8510 VANA |                                   |                                     |                                   |
|-----------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|
| $C_0$<br>$\times 10^{-15} F$      | $C_1$<br>$\times 10^{-27} F/Hz$   | $C_2$<br>$\times 10^{-36} F/Hz^2$   | $C_3$<br>$\times 10^{-45} F/Hz^3$ |
| 48.0                              | 300.0                             | 15.0                                | 0.0                               |
| CAPACITANCE FACTORS - HP8409 VANA |                                   |                                     |                                   |
| $K_1$<br>pf                       | $K_2$<br>$\times 10^{-15} pf/MHz$ | $K_3$<br>$\times 10^{-11} pf/MHz^2$ | -                                 |
| 0.048                             | 3.0                               | 1.5                                 | -                                 |



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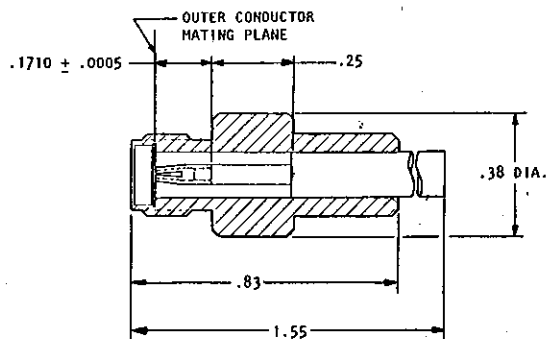
## DESCRIPTION

The Maury Microwave Models 8048A and 8048B are female and male 3.5mm open-circuit terminations. These precision terminations present a well shielded open-circuit  $0.1710 \pm .0005$  in. from the mating plane of the connectors. Both models are 100% electrically tested using the HP8510 Vector Automatic Network Analyzer (VANA). Additional center conductors are available as replacement parts. These are Models 8048C1 (Female) and 8048C2 (Male).

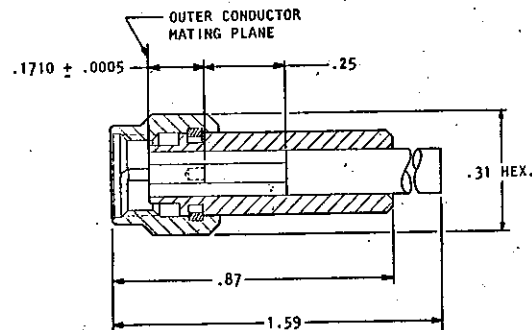
## SPECIFICATIONS

Frequency Range . . . . . DC to 26.5 GHz  
Offset Length . . . . .  $0.1710 \pm .0005$  in.  
Capacitance Factors . . . . . (See Chart)

## DIMENSIONS



Model 8048A



Model 8048B

| MODEL NO. | DESCRIPTION                                           |
|-----------|-------------------------------------------------------|
| 8048A     | Open, Female                                          |
| 8048B     | Open, Male                                            |
| 8048C1    | Replacement Center Conductor Assembly for Model 8048A |
| 8048C2    | Replacement Center Conductor Assembly for Model 8048B |

| CAPACITANCE FACTORS - HP8510 VANA |                                   |                                     |                                   |
|-----------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|
| $C_0$<br>$\times 10^{-15} F$      | $C_1$<br>$\times 10^{-27} F/Hz$   | $C_2$<br>$\times 10^{-36} F/Hz^2$   | $C_3$<br>$\times 10^{-45} F/Hz^3$ |
| 48.0                              | 300.0                             | 15.0                                | 0.0                               |
| CAPACITANCE FACTORS - HP8109 VANA |                                   |                                     |                                   |
| $K_1$<br>pf                       | $K_2$<br>$\times 10^{-15} pf/MHz$ | $K_3$<br>$\times 10^{-11} pf/MHz^2$ | -                                 |
| 0.048                             | 3.0                               | 1.5                                 | -                                 |